

EPSON Product Support Bulletin

Date:	April 2, 2007	Originator:	VS
PSB #:	PSB.2007.04.001	Authorization:	<i>[Signature]</i>
Reference:	TI 06-0491 Rev.B	Total Pages:	2
Product(s):	Expression 10000XL/1640 XL/1680/1600/800/836 XL, Perfection 3490/3590/4490/V700/V750/V100/V350/1240U/1250/1260/1640/1650/1660/1670/2400/2480/2580/3170/3200/4180/4870/4990/640U/1200U/610, GT-2500/15000/30000 series scanners		
Subject:	Scanning Application Force Quits on Mac OS 10.4		

This bulletin was created to inform you of an error that may occur when opening a TWAIN-compliant scanning application on a Macintosh computer running OS 10.4.

Description of Problem:

When launching a Twain-compliant scanning application after deleting your Epson Scan driver with an Epson Scan uninstaller not compatible with your scanner model, the application will force quit during start-up. For example, using a Perfection 4490 driver uninstaller to delete a Perfection 3490 driver will cause your scanning application to suddenly close during start-up. This issue affects the following TWAIN-compliant applications:

EPSON Creativity Suite	When pressing the Scan button, the Scan Assistant force quits
Copy Utility	Force quits during start-up
Photo Impression	Force quits during start-up
Photoshop Elements	Force quits during start-up
Photoshop	Force quits during start-up
Photoshop CS2	Force quits during start-up

This issue can also occur under the following conditions:

- 1) Dragging the Epson Scan folder (located in the Applications folder) to the Trash can
- 2) Upgrading your scanner and using the Epson Scan driver from the new scanner to delete the driver from the older scanner, and then installing the new driver

Operating Systems Affected:

Mac OS 10.4 to 10.4.9

Affected Epson Scan Driver Versions:

2.70A or later

Correct Procedure for Deleting Epson Scan Driver:

- Use the driver specifically written for your scanner model to uninstall the Epson Scan driver.
- If you have more than one Epson scanner model on your computer, use the driver specifically written for each scanner to uninstall its respective device driver.
- If upgrading from a Power PC-based Epson Scan driver to a Universal Binary driver, first delete the Power PC driver using only the Power PC driver for your scanner model. Then install the Universal Binary driver.

If the above procedure does not resolve the problem, then manually verify that the Epson Scan files and folders, listed below, have been deleted.

- EPSON Scan (in Applications Folder)
- EPSON*****.ds (***** = scanner model)---located in the Library / Image Capture / TWAIN Data Sources folder

EPSON PRODUCT SUPPORT BULLETIN

Date:	2/2/2004	Originator:	RY
PSB #:	PSB.2004.02.004	Authorization:	Kps/DS
Reference:	TE03-389 Rev. A	Total Pages:	2
Product(s):	Expression 1600/1680/1640XL Series Scanners; Perfection 610/640/1200/1240/1250/1260/1640/1650/1660/1670/2400/2450/3170/3200 Series Scanners; Stylus CX5200/CX3200/CX5400 All-in-One Products		
Subject:	EPSON Scan TWAIN Ver. 1.28 for Mac OS 10.2 to 10.3		

This bulletin was created to inform you of an updated Epson Scan Twain Driver (1.28A) for the following models: Perfection 610/640/1200/1240/1250/1260/1640/1650/1660/1670/2400/2450/3170/3200 series scanners, Stylus CX3200/CX5200/CX5400 multi-function devices, Expression 1600/1680/1640XL series scanners.

Reason:

The new Epson Scan driver improves functionality when scanning in Mac OS 10.3. See the next section for the list of changes included in the new driver.

Driver Improvements:

- Enables Epson Scan to start when the Scan button is pushed.
- Enables Epson Scan to start even if the volume name (Hard Disk) on the desktop is only 2 bytes (2 characters) in length.
- Eliminates the error "Epson scan cannot be started", which occurs when the USB cable is disconnected while Epson scan is loading.
- Corrects lock-up issues when using the Zoom tool in Epson Scan.
- Corrects functionality issues and mouse cursor lock-ups when using the Histogram Adjustment, Tone Correction and Image Adjustment tools or when clicking on each tool's Title bar.
- Prevents Epson Scan from unexpectedly quitting when scanning two or more times from PhotoShop with a Perfection 1250 scanner.
- Prevents Epson Scan from locking up when scanning from a Perfection 3200 scanner with a Firewire connection.
- Prevents Epson Scan from unexpectedly quitting when removing the Firewire cable from a Perfection 3200 scanner while Epson Scan is open.
- Prevents the Epson Scan Utility from freezing when using the Perfection 1250 or 1260 scanner.
- Enables Epson Scan to launch properly when scanning from an Expression 1680/ or 1640XL with a Firewire connection.

Limitations of new driver:

- This driver does not support “Fast User Switching” in OS 10.3. This feature must be turned off before using Epson Scan.
- You may receive an error “Epson Scan cannot be started” when trying to scan from a Perfection 2450 that is connected to a USB 2.0 supported port. To avoid this error, use a Firewire connection or a USB 1.1 only supported port.
- Not all the scanner models on this list support Color Restoration and Dust Removal so these settings may be unavailable in Epson Scan.
- If experiencing unstable operation when scanning from a Perfection 1250 or 1260 scanner, restart your system.
- If the computer goes into “sleep mode” and this setting was enabled in the Apple Menu and you try to switch to a different mode after doing a preview scan in Photoshop, the Epson Scan driver will freeze. This does not happen if the computer goes into “sleep mode” after screen saver has started. To avoid lock-ups, change the scanning mode before the computer goes into “sleep mode” or re-launch Epson Scan after the computer wakes up and then change modes.
- After scanning with the Perfection 1250, if you then close Epson Scan and disconnect the USB cable, a scanner model selection dialog box may appear on the screen. Click “No” and the box closes. You can scan normally afterwards.

Action:

The new driver is available on the Epson web site. Go to www.epson.com and click on Drivers & Downloads. Select your scanner model. On the Downloads page look for TWAIN Driver and Epson Scan Utility v.1.28A in the Macintosh section.

To Install Epson Scan 1.28A:

1. Launch the EPSON Scan Installer and follow the on screen instructions.
2. After the TWAIN has been installed, connect the USB or Firewire interface cable from the scanner to the computer.

To Uninstall Epson Scan 1.28A:

1. Disconnect the USB interface cable from the scanner.
2. Launch the EPSON Scan Installer.
3. Open the drop-down menu where you see “Easy Install” and select “Uninstall”.
4. Click the Uninstall button.

EPSON Product Support Bulletin

Date:	04/30/2003	Originator:	VS
PSB #:	PSB.2003.05.008	Authorization:	KpA
Reference:	N/A	Total Pages:	3
Product(s):	Perfection 1240/1250/1640/1650/1260/1660/2400/2450		
Subject:	Installing Smart Panel on a drive other than "C:"		

This bulletin was created to inform you of a procedure for installing Smart Panel on drives other than "C:".

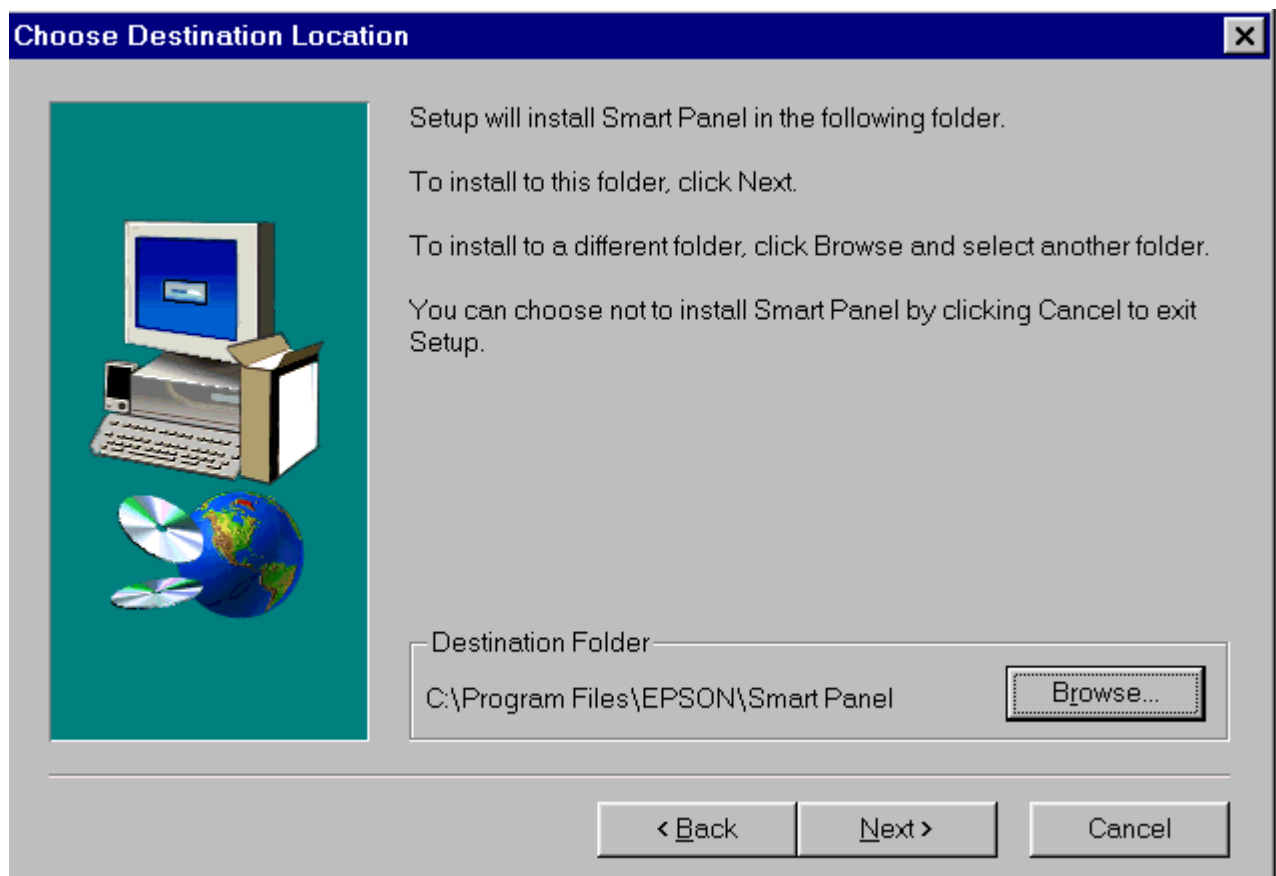
Description:

Smart Panel will install on Drive C: by default. The procedure for specifying a different drive isn't immediately apparent.

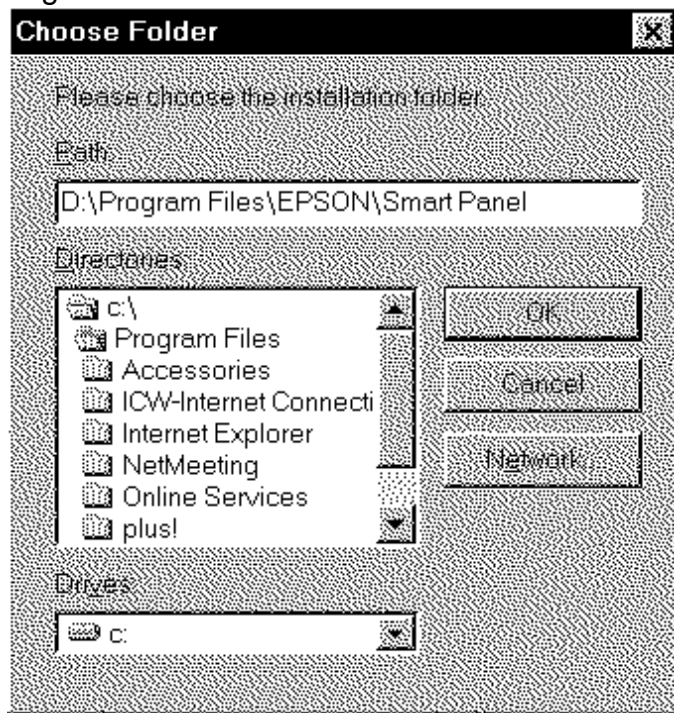
Solution:

The following steps will allow most of Smart Panel to install on a different drive letter other than the default. The Epson Twain and Scan to Web programs will only install on drive C:\.

- 01) Using "Auto Run" let the installation start, then "Cancel" the installation at the program selection screen.
- 02) Using Windows Explorer, locate the Epson CD, open the "Installers" folder
- 03) Open the "SPANEL" folder found in the Installers folder
- 03) Open the "American" folder found in the "SPANEL" folder, and double-click on the "Setup" file with the "Monitor/computer" icon
- 04) Advance through the "Agreement" screens
- 05) At the "Choose Designation Location" screen click on "Browse" (See example on next page)



- 06) Click on the "Path Line" and using the back arrow back up the cursor to the drive letter and change it to the desired "drive" letter.



- 07) Click on "OK"
- 08) For the message to create the necessary folders, click "YES"
- 09) Click "Next"
- 10) Continue with "installation"
- 11) Follow steps 5 through 9 for "Copy Utility" installation
- 12) Follow steps 5 through 9 for any other Smart Panel applet to be installed
- 13) If Epson Twain has not been installed, go to "Twain 5.x" and run disk 1
- 14) Restart system and test the software with the scanner

EPSON PRODUCT SUPPORT BULLETIN

Date:	4/30/2003	Originator:	VS
PSB #:	PSB.2003.05.006	Authorization:	VP
Reference:	N/A	Total Pages:	1
Product(s):	Perfection 1240/1250/1640/1650/1260/1660/2400/2450		
Subject:	Making Adjustments in Epson Twain 5.X.X		

This bulletin was created to inform you of a procedure for making adjustments in Epson Twain 5.X.X

Description:

01) When using the TPU (transparency adapter) in manual mode or auto mode the scanned image is not correctly detected.

02) The scanned TPU image has a color cast to it.

Solution:

01) If Epson twain is in full auto mode:

- a) Click "Cancel" and then "Manual" to get into manual mode.
- b) Click on the "Configuration tab"
- c) Remove the check mark or dot from "Auto Thumbnail" option.
 - i. This will allow "manual" selection for the TPU type of film.
 - ii. This will allow "manual" marquees.

02) If the scanned TPU image has a color cast:

- a) Marquee the image making sure none of the border of the film strip/slide is included.
- b) Do a magnified preview of the marquee to verify border.
- c) Using the "tools" bar (color wheel, wench and screwdriver) make final adjustments to the image.
 - i. Click on "Settings" and clear "User Defined" and give these settings a name (e.g. "positive film").
 - ii. When scanning similar images in the future, this new color correction can be selected from the "Settings" option.

EPSON PRODUCT SUPPORT BULLETIN

Date:	04/01/2003	Originator:	TC
PSB #:	PSB.2003.04.003	Authorization:	Kps
Reference:	N/A	Total Pages:	2
Product(s):	All EPSON Scanners		
Subject:	Windows™ and Macintosh® Operating System requirements for USB 1.1/2.0 and IEEE-1394/FireWire® Interface connectivity		

This bulletin was created to inform customers of EPSON America's support policy regarding Windows™ and Macintosh® operating system requirements for USB 1.1/2.0 and IEEE-1394/FireWire® interface connectivity.

Reason:

Currently, there are many add-in USB 2.0 and IEEE-1394 connection host adapter products on the market that include drivers for Windows and Macintosh OS that did not originally support specific interfaces. Epson has released several scanner products with built-in USB 2.0 and/or IEEE-1394 (FireWire) ports. This document provides a guideline on EPSON America's support policy on the various operating systems and the interface connections they support. EPSON technical support representatives will only be able to support customers who have Epson products that are configured in accordance with the operating system requirements outlined here and in the product's documentation. Epson customers experiencing problems on an Epson product connected to an add-in USB 2.0 or IEEE-1394 interface that does not meet the minimum system requirements will be asked to contact the interface product vendor or computer manufacturer for technical support.

This document is not model specific. It does not include other important system requirements required to determine product compatibility on a user's computer. To determine product support compatibility, please refer to the specific scanner's minimum system requirements found on the outside of the product box, or visit Epson's web site at www.epson.com.

The guidelines below were compiled from Microsoft's and Apple's Support websites and their published system requirements for supported interface connectivity. For more information on Windows and Macintosh Interface support please refer to Microsoft's online Knowledge base at www.microsoft.com or Apple's web site at www.apple.com. For information on add-in 3rd party interface products please refer to the vendor's documentation or product support web site.

Windows

USB 1.1: Full version Microsoft Windows 98/98 Second Edition, Windows Me, Windows 2000 or Windows XP or Upgrade from a full version of Windows 98/98SE, Me, 2000

IEEE-1394 (FireWire): Full versions of Windows Me/2000/XP, or upgrade from a full version of Windows 98/98SE. Host computer must have an OHCI compliant IEEE-1394-1995 card or port installed.

USB 2.0 Hi-Speed: Full versions of Windows XP or upgrade from a full version of Windows 98/98SE, Me, 2000. Host computer must have an EHCI compliant USB 2.0 Hi-Speed card or port installed.

Windows 2000 did not support the USB 2.0 hardware specification at the time it was first released. Refer to Microsoft Knowledge Base Article - 319973 Universal Serial Bus 2.0 Support in Windows 2000 for more information.

Important Notes:

- 1.) Operating system must not be an upgrade from Windows 95.
- 2.) **For Windows 2000 or XP you must be logged in as an administrator or as a user with administrator rights before you can install and use EPSON software.**
- 3.) USB hubs must be self-powered and connected in a first-tier configuration for reliability

Macintosh OS

USB 1.1: Apple Macintosh computer (G3, G4, or iMac) with built-in USB port, running Mac® OS 8.5.1 to 9.2.2 with all USB extensions enabled. For OS X, you must have 10.1.3 or later.

FireWire (IEEE 1394): Power PC-equipped Macintosh or newer with Mac OS 8.6 to 9.2.2 with Apple's FireWire 2.1 (or later) software installed. For OS X, you must have 10.1.3 or later.

USB 2.0 Hi-Speed: Not supported

Important Notes:

- 1.) You cannot use a serial interface to connect the scanner.
- 2.) Interface adapter cables (i.e. SCSI to USB, or USB to Serial, etc) are not supported.
- 3.) USB hubs must be self-powered and connected in a first-tier configuration for reliability.
- 4.) FireWire port must be compliant with this specification: IEEE 1394-2000 compatible.

EPSON PRODUCT SUPPORT BULLETIN

Date:	04/1/2003	Originator:	TC
PSB #:	PSB.2003.04.001	Authorization:	Kps
Reference:	N/A	Total Pages:	2
Product(s):	Perfection 640U/1240U/1250/1640SU/1650/2450/1260/1660/2400/3200 Series Scanners and the Stylus CX 3200/5200 all-in-one series		
Subject:	Smart Panel Copy Utility may produce copies with a light gray/blue/pink background when printing to non-EPSON printers.		

Description of issue:

If you are using Copy from EPSON Smart Panel 2.5/2.6 or you installed the Copy utility 2.00A patch for Smart Panel 2.0A/1.0.xA, you may find that the program produces copies with a light gray/blue/pink background.

Reason:

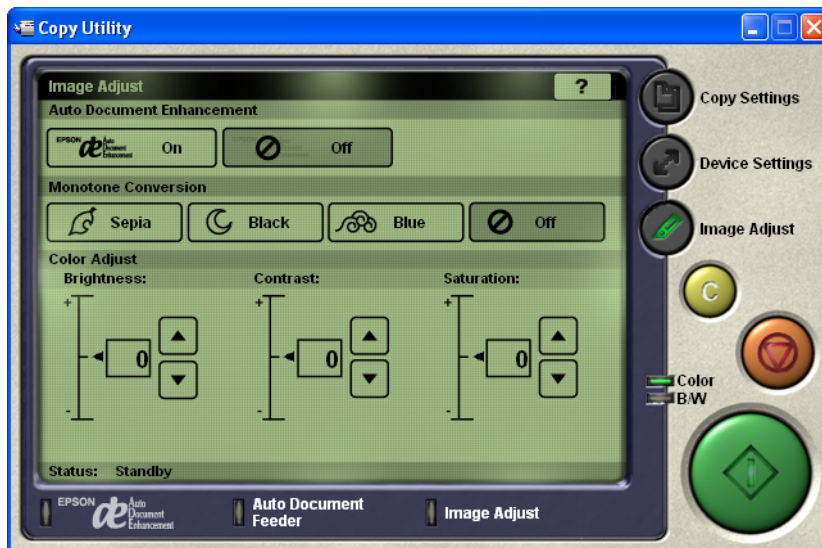
This is because when printing to non-EPSON printers with the Copy utility, the Automatic Document Enhancement feature is turned off by default.

Solution:

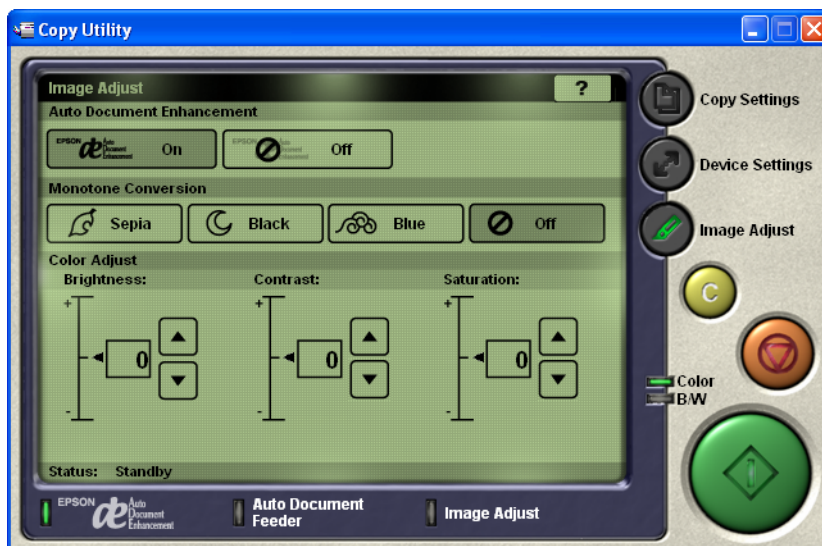
To remove the background, you must enable Automatic Document Enhancement. To turn on this feature, launch the Copy applet by double-clicking on its icon. Select Epson TWAIN 5 at the following window and click "OK".



Click on the “Image Adjust” button. You will notice the Auto Document Enhancement OFF button is selected (highlighted in dark gray).



Click the ON button. You will now notice that this button is selected (highlighted in dark gray).



Now click on the large green Copy button, your image will be scanned and printed. The copy of your document should look very close to the original with no background colors added.

Note: The Copy utility was designed to scan and print a copy of a Letter size (8.5" X 11") document. If your document is not a full letter-size piece of paper, then the portion of the scanner's document mat that is showing will be included as part of your copy. Some bright white papers can cause a noticeable contrast between the document and the document mat. As a result the Copy utility may recognize the exposed document mat as having a light blue color. In this case you may still see a light blue background on your printout where the document mat was showing.

EPSON PRODUCT SUPPORT BULLETIN

Date:	9/20/2002	Originator:	TC/JD
PSB #:	PSB.2002.04.002B	Authorization:	
Reference:	N/A	Total Pages:	1
Product(s):	Perfection 640U, 1240U, 1640SU, 1250, 1650, 2450 series scanners		
Subject:	Epson Smart Panel & Security Rights on Windows 2000		

This bulletin was created to inform you of an issue with Epson Smart Panel running under Windows 2000. This issue affects Smart Panel version 1.0.xA (1.01, 1.02, 1.03), bundled with the Perfection 640U/1240U/1640SU series and version 2.0A, which is included with the Perfection 1250/1650/2450 series.

Description of the Issue:

When running Windows 2000, if Epson Smart Panel is installed from the scanner software CD, and is used by members of the Administrator or Power Users Group, the program works normally. If a member of a restricted group (Users, Backup Operators, Replicator, Guest) logs on to a computer on which an Administrator or Power User installed Smart Panel, the user will receive an error when booting up to the desktop. A dialog box with an "OK" button pops up displaying the following error message:

"There is no Registry data for EPSON SMART PANEL!"

Clicking "OK" in the dialog box does not remove the error message, even if you click OK repeatedly. The computer is unusable at this point and eventually locks up. To recover, the user must perform a hard reset and log in as a Power user or Administrator.

If a member of the "Restricted User" group attempts to install the Epson Smart Panel software, one of two things happens: (1) Windows prevents the user from starting installation or (2) the installation completes and all users, including Administrators and Power Users will see the "Registry Data Error" when booting to the desktop.

Reason:

Smart Panel loads "Start" button monitoring during Windows startup. When logged in as a restricted user, Windows returns an error message as described above because the user has insufficient rights. Specifications for Smart Panel do not provide sufficient rights for restricted users to install and use Smart Panel on Windows 2000. Only Administrators, users with Administrator rights and Power users have sufficient access privileges to install and use Smart Panel. If a member of a Restricted user group is able to install Epson Smart Panel, the program will need to be manually removed by an Administrator logged on in "Safe Mode." Using the "Search" utility in Windows 2000, delete all files for "Epson Smart Panel for Scanners." A System Administrator will then need to add the "Restricted user" to the Power Users Group before the user can install and use Smart Panel.

EPSON PRODUCT SUPPORT BULLETIN

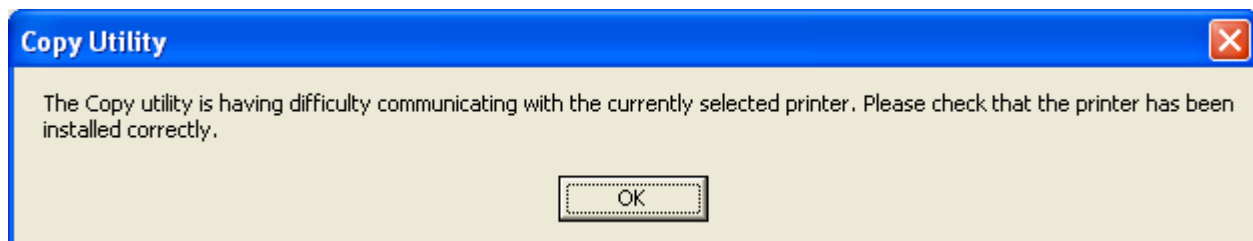
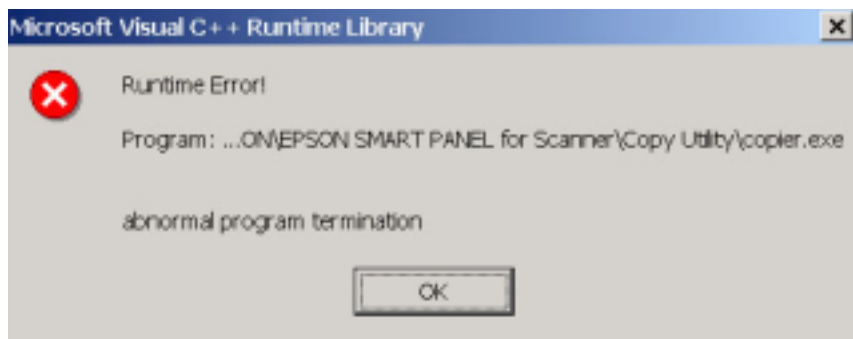
Date:	9/6/2002	Originator:	JD
PSB #:	PSB.2002.02.003R1	Authorization:	Kps
Reference:	N/A	Total Pages:	3
Product(s):	Perfection 640U, 1240, 1640, 1250, 1650, 2450, 1260, 1660, 2400 series scanners		
Subject:	Copy Utility Workaround for Non-Epson Printers		

This bulletin was created to provide information on using Smart Panel's Copy Utility with non-Epson printers in Windows. The following sections describe a workaround that can be used when Copy Utility has problems working with non-Epson printers.

Description of Issue:

Epson Smart Panel includes a utility called Copy that is used for scanning and printing documents. Although Copy works with non-Epson printers it does not support all models. Epson periodically releases updates to support the newer models. However, since new printers are continually being released to market, the current Copy update may not work with the latest models.

When Copy Utility launches, it first initializes the scanner and printer. If it does not recognize the printer, the program will normally return an error. The error message may vary depending on the operating system and version of Copy. In some cases, the program won't generate an error dialog; instead, it will launch and then quickly shut down. If you get the error dialog, it will typically look like one of those listed below. When you click OK to close the dialog, the program takes you back to the Smart Panel main user interface.

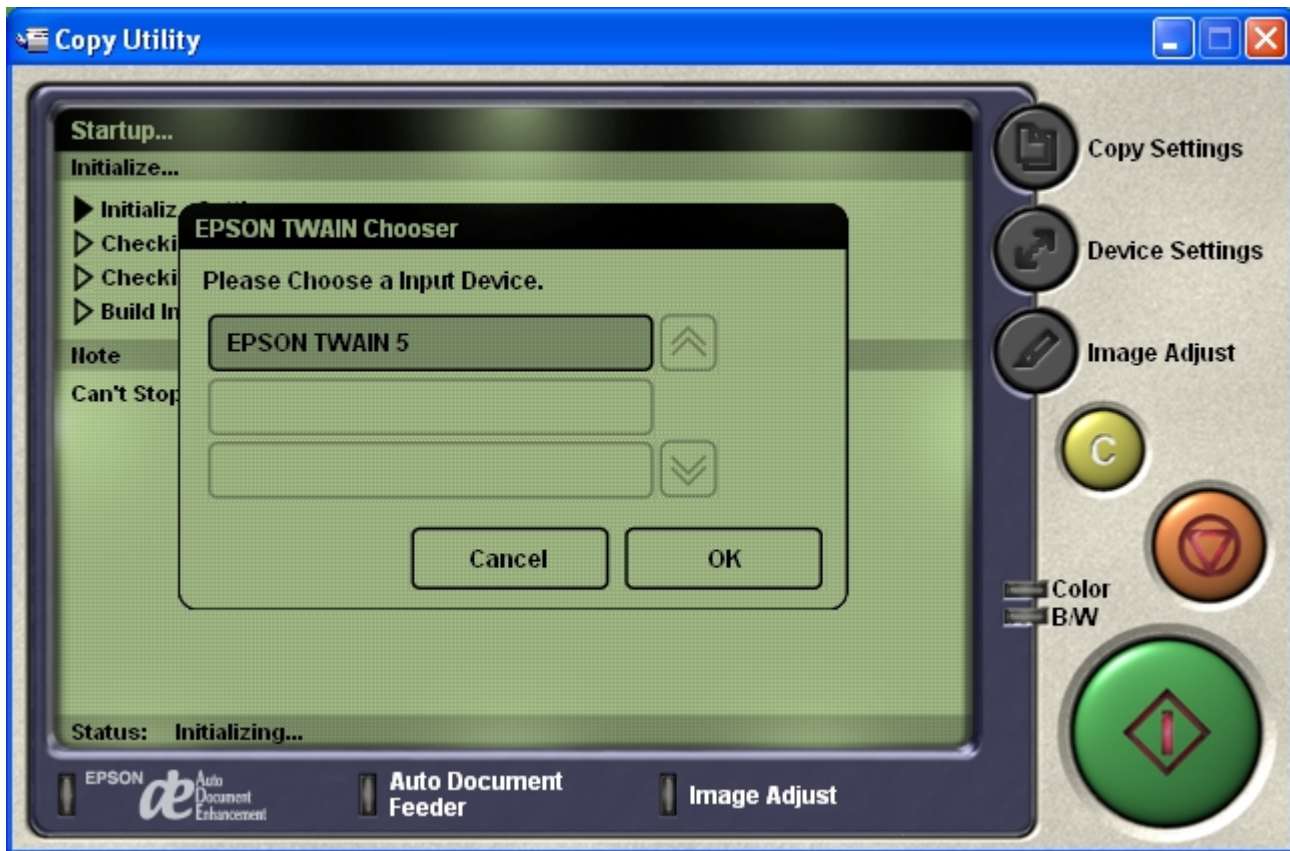


Workaround:

As a temporary solution, select another Windows default printer (i.e. one that's compatible with Copy) and then launch Copy. In Copy, change the printer back to the one that you want to use. Click the green and Copy button to scan and print.

Follow these steps to configure Copy for the workaround.

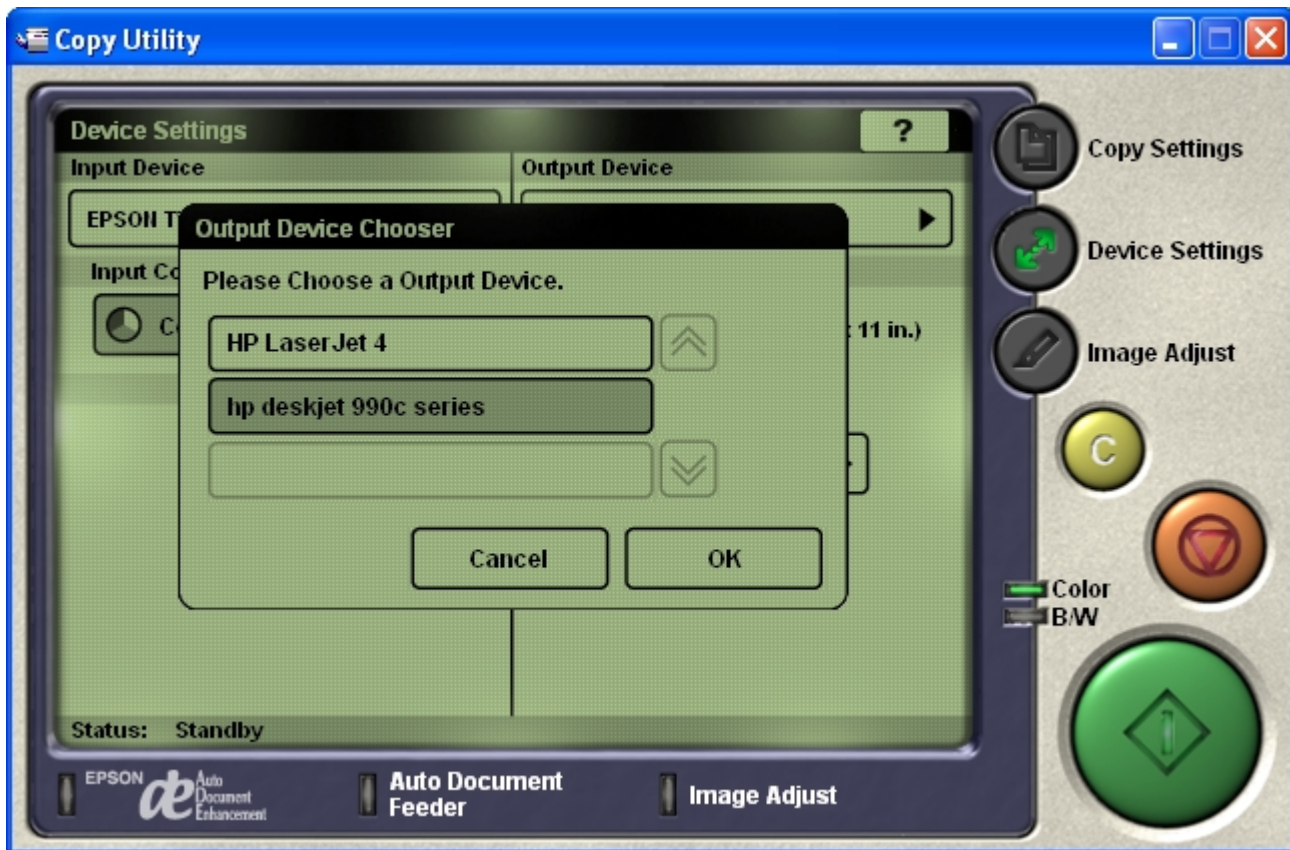
- 1) First, verify that you have installed the latest version of Copy (currently 2.00A). Launch Copy and look for a green screen. This is version 2.00A and it should look like this:



If you don't see this on your screen then visit our web site at www.epson.com and download the Copy update.

- 2) Once you have installed the update, test your printer in Copy. If you get an error then go to the next step.
- 3) Click the Start button and then click Settings. Select Printers. You can also use Control Panel to select Printers (Printers and Faxes for Windows XP). In Printers, use the Add Printer Wizard to add a printer. For Windows 98 and up, you can try the HP LaserJet 4. For Windows 2000 and XP, the Stylus Photo 750 ESC/P2 works fine. For Windows 95, you'll need to use an older model such as the HP LaserJet 3 series. Keep in mind that other models can be used. If one model doesn't work then use another one.
- 4) Follow the on-screen instructions to install the printer. Once completed verify that it is the default printer.
- 5) Launch Copy. If the new default printer is compatible, the program will open normally.

- 6) Click the Device Settings button. This will bring up the Device Settings user interface. In the Output Device field (the default printer will be listed here), click on the arrow. This will bring up the Output Device Chooser window. The screen should look like this.



- 7) Change the printer name to the one you want to use and then click OK. Click on the Green button to start scanning.

EPSON PRODUCT SUPPORT BULLETIN

Date: 9/25/01

PSB No.: PSB.2001.09.006R3

Reference: N/A

Originator: TC

Authorization: 

Affected Product(s): EPSON Perfection 640U/1240U/1640SU & 1250/1650/2450 Series Scanners

Subject: Updated Photo Print Utility Version 1.31A for EPSON Smart Panel v.1.0xA & 2.0A for Windows

This bulletin provides information on the latest release of the Epson Smart Panel - Photo Print Utility program, ver. 1.31A. This version of the Photo Print Utility works with the following scanner products and it provides improved compatibility and functionality with Windows Operating Systems and some non-Epson printers. *

Perfection 640

Perfection 1240U Photo

Perfection 1640SU Photo

Perfection 1240U

Perfection 1640SU

Perfection 1640SU Office

Perfection 1250/1250 Photo

Perfection 1650/1650 Photo

Perfection 2450 Photo

Note: Epson and other printer vendors continually release new models into the market. If your printer does not work with the updated Photo Print Utility, please check the Epson web site for updates.

Photo Print can be downloaded from Epson's web site. From your browser, enter this URL:

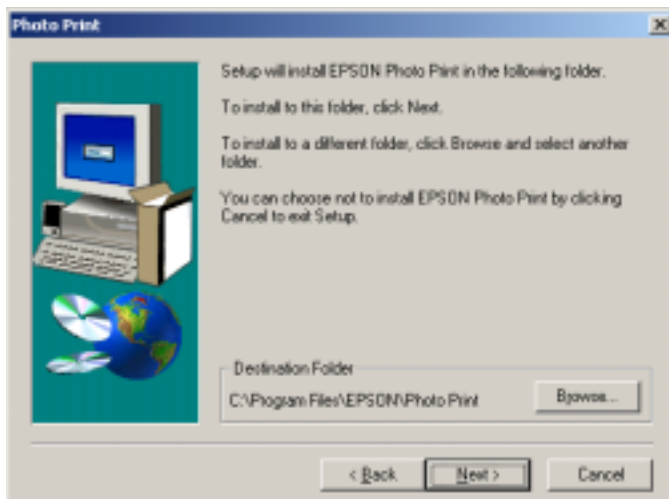
<http://support.epson.com/filelibrary.html>. On the Downloads page, click on Perfection Series. Click on your scanner model.

On the Downloads page click on the Photo Print Utility program and follow the on-screen instructions to complete the download.

Installation Instructions:

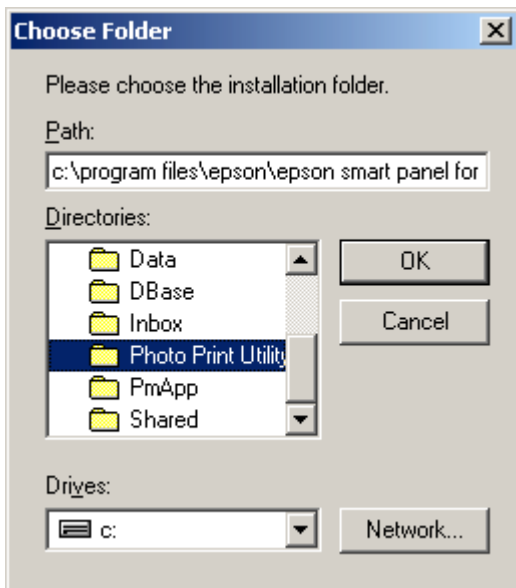
Use these steps to install the updated Photo Print Utility.

1. Close Smart Panel if you have it running.
2. From the *Start* button click **Run** and then **Browse**.
3. Search for the folder that contains the downloaded Photo Print Utility file (By default this folder is called EPSON, unless you specified a different download folder location).
4. Double-click this file to extract the Setup files.
5. Double-click SETUP.EXE. The installation will start and the Welcome screen will launch. Click *Next*.
6. Next you will see the following screen, click *Browse*.

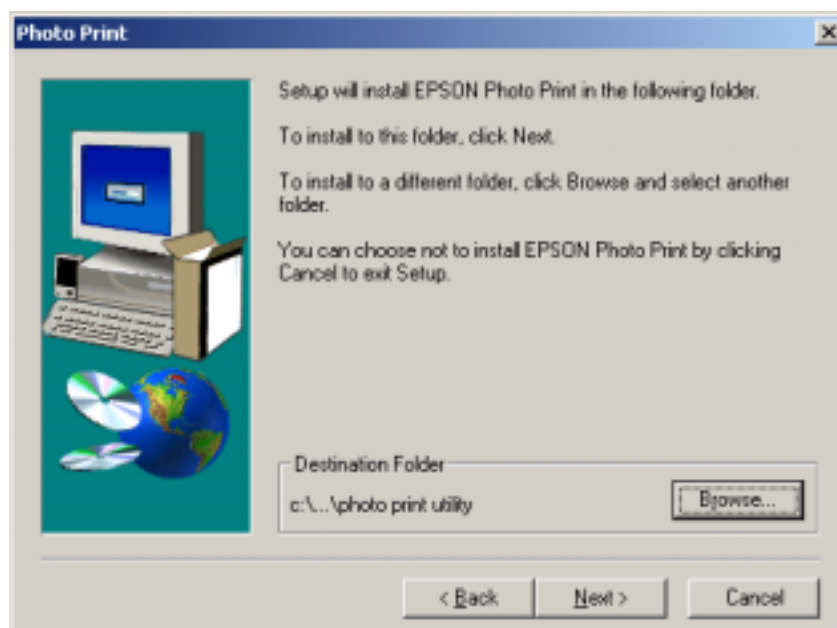


Note: You must install the update files in the same directory as the original version of Photo Print in order for the update to work correctly. If your installation of EPSON Smart Panel was performed using the default directory you need to install the files to the following location on your Hard Drive **C:\Program Files\Epson\EPSN Smart Panel for Scanners\Photo Print Utility**. If you did not install the program using the default location you will need to install the Update files to the directory in which you installed EPSON Smart Panel's Photo Print Utility.

7. Browse to the following location: "*C:\program files\epson\epson smart panel for scanners\photo print utility*" and click OK



8. If you are pointing to the correct folder, you will see the following screen. Click *Next*. If you do not see the screen below, go back to step 6.



Note: the full path to the destination folder may not be showing.

9. You will see a ***Setup Complete*** window, click *Finish* to complete the install.
10. To verify you have properly installed the update open Epson Smart Panel and click on the Photo Print Button. You will see a progress window that says "Setting up printer." Before you print, have your media type, print size, and Printer Driver set to the correct settings. Put a photo on the document glass and Click the "Print" button. The "Select TWAIN source" window will pop up, select "EPSON TWAIN 5" and click OK. Your photo will be scanned and printed.

Note: You can launch EPSON Photo Print as a standalone application, without needing to launch Epson Smart Panel. The Photo Print Utility update program will automatically put an Entry in the Start menu. To find this entry click on; Start>Programs>EPSON Scanner>EPSON Photo Print. The update program will also put an "EPSON Photo Print" shortcut icon on your Desktop, you can launch the Photo Print Utility from the shortcut. If you do not want this icon on the desktop, simply drag it to the Recycle Bin or highlight the shortcut icon and hit the delete key on your keyboard.

EPSON PRODUCT SUPPORT BULLETIN

Date:	7/10/2002	Originator:	JD
PSB #:	PSB.2002.07.001	Authorization:	Kps
Reference:	N/A	Total Pages:	1
Product(s):	Perfection 640U, 1240, 1640, 1250, 1650, 2450 series scanners		
Subject:	Copy Utility Workaround for Non-Epson Printers on Macintosh Systems		

This bulletin was created to provide information on using Smart Panel's Copy Utility with non-Epson printers on a Macintosh computer. The following sections describe a workaround that can be used when Copy Utility has problems working with non-Epson printers.

Description of Issue:

Epson Smart Panel includes a utility called Copy that is used for scanning and printing documents. Although Copy works with non-Epson printers, it does not support all models. Epson periodically releases updates to support the newer models. However, since new printers are continually being released to market, the current Copy utility may not work with the latest models.

When Copy Utility launches it first initializes the scanner and then the printer. If it does not recognize the printer, the program may lock up the system or simply stop running. You may have to use the Force Quit command or restart the computer to recover.

Workaround:

As a temporary solution, select the LaserWriter as the default printer and then launch Copy. In Copy, select the printer that you want to use. Click the Copy button to auto-scan and print. You can use this workaround with Smart Panel 1.01A, 1.02A, 1.03A and 2.0A.

Follow these steps to configure Copy for the workaround.

- 1) Open Chooser and select a different default printer. We recommend using the LaserWriter. Close Chooser when finished.
- 2) Launch Copy. Click on the Target Printer button. This automatically opens Chooser. Select the actual printer you will use to scan and print. After completing your selection, click OK to close Chooser.
- 3) Click Print Setting and configure the printer driver settings as needed. Click OK to close the Settings dialog box.
- 4) Click the Copy button to start scanning.
- 5) When you are finished using Copy and you have no other print jobs, open Target Printer and set the default printer back to the LaserWriter. Close Copy.

EPSON PRODUCT SUPPORT BULLETIN

Date:	4/8/2002	Originator:	TC
PSB #:	PSB.2002.04.002	Authorization:	<i>Kgs</i>
Reference:	N/A	Total Pages:	1
Product(s):	Perfection 640U/1240U/1640SU Series Scanners		
Subject:	Epson Smart Panel & Security Rights on Windows 2000		

This bulletin was created to inform you of an issue with Epson Smart Panel version 1.0.xA software running under Windows 2000. This software can be found on the scanner software CD for the following Epson scanner series: Perfection 640U/1240U/1640SU.

Description of the Issue:

This issue will occur if you have one of the following products: the Epson Perfection 640U/1240U/1640SU series scanner, and are using Windows 2000.

When running Windows 2000, if Epson Smart Panel version 1.0.xA is installed from the scanner software CD, and is used by members of the Administrator or Power Users Group, the program works OK. If a member of the more restricted groups (Users, Backup Operators, Replicator, Guest) logs on to a computer where an Administrator or Power User has installed Epson Smart Panel version 1.0.xA, the user will receive an error when Windows 2000 opens. A dialog box with an "OK" button pops up displaying the following error message:

"There is no Registry data for EPSON SMART PANEL!"

If you click "OK" the dialog box will not go away, even if you click it repeatedly. The computer will be unusable in this state and eventually it locks up. A hard reset or power off is required at this point. During installation Epson Smart Panel loads a taskbar shortcut in the System Tray that cannot be disabled. Epson Smart Panel monitors the status of the "Start" button(s) on the scanner at startup; this causes the initial error when Windows 2000 opens.

If a member of the "Restricted User" group attempts to install the Epson Smart Panel software, one of two things may happen. The user may get an error message and not be able to install Epson Smart Panel, or if the installation completes, all users, including Administrators and Power Users will get the same "Registry Data Error" as described above.

Reason:

Specifications for Epson Smart Panel require the program be installed and used by members of the Administrator or Power Users groups only. Epson Smart Panel does not support use by members of more Restricted groups. If a member of the more Restricted groups successfully installs Epson Smart Panel, it will need to be manually removed by an Administrator logged in under "Safe Mode." Using the "Search" utility in Windows 2000, delete all files for "Epson Smart Panel for Scanners." A System Administrator will then need to add the "restricted user" to the Power Users Group, and then that user can correctly Install and use Epson Smart Panel version 1.0x.

EPSON PRODUCT SUPPORT BULLETIN

Date:	3/4/2002	Originator:	JD
PSB #:	PSB.2002.03.001	Authorization:	Kps
Reference:	TE01-320 Rev. A	Total Pages:	2
Product(s):	Perfection 610, 636, 640, 1200, 1240, 1250, 1640, 1650, 2450 & Expression 636, 800, 836XL, 1600, 1640XL, 1680 Series Scanners; StylusScan 2000, 2500		
Subject:	Compatibility Chart for Macintosh OS X Classic		

This bulletin provides information on compatibility for EPSON scanners and Stylus Scan series products running in Macintosh OS X Classic. Mac OS X provides Classic environment for Mac OS 9.x compatible applications and device drivers. For purposes of this document, your Macintosh computer requires OS 9.2.1 and 10.1 system software. To set up Classic, follow the steps below:

1. First install or upgrade your Macintosh system to OS 9.2.1. Then, install OS 10.1 (for details refer to Apple's OS X documentation).
2. To start Classic, click the **Classic** icon in System Preferences. To find *System Preferences* go to the **Apple Menu** or click on the icon in the **Dock** bar on the desktop. Classic can also be set up to start automatically during the log in process. (Refer to your Apple documentation for installation and operation of Macintosh OS X Classic and 9.2.1).
3. To run a Classic application, just double-click on it.

The following Epson models are supported in Classic.

Model	Driver Version	Connector Type
Perfection 610	TWAIN L 1.00E	USB
Perfection 636U	TWAIN 3.20A	USB
Perfection 640U	TWAIN L 2.01A	USB
Perfection 1200U	TWAIN 4.01A	USB
Perfection 1240U	TWAIN 5.02A	USB
Perfection 1250	TWAIN 5.53A	USB
Perfection 1640SU	TWAIN 5.02A	USB
Perfection 1650	TWAIN 5.53A	USB
Perfection 2450	TWAIN 5.53A	USB
Expression 1600	TWAIN Pro 2.10A/Pro Network 2.00A *	USB
Expression 1640XL	TWAIN Pro 2.10A/Pro Network 2.00A *	USB
Expression 1680	TWAIN Pro 2.10A/Pro Network 2.00A *	USB
Stylus Scan 2000	TWAIN (v.1.10A); Printer (v.6.25E) **	USB
Stylus Scan 2500	TWAIN (v.1.10A); Printer (v.6.25E) **	USB

*** Expression Series Scanner Notes:**

1. Start your computer in 9.2.1 before you install PageManager. If the Start button does not work, restart the computer.
2. In order to use the Twain Pro network driver, you must have the scanner attached to a PC running Scan Server. On a PC, the scanner can use a USB, SCSI or FireWire (Windows 2000, Me, XP only) connection.

**** Stylus Scan Notes:**

You must install Smart Panel from its own folder. Start your computer in 9.2.1. From the Software CD open the Smart Panel folder. Click on the Epson Smart Panel Installer icon to install. Before you can launch Smart Panel you must install the Stylus Scan Updater. The file can be downloaded from the Epson web site.

Important Note: MAC OS X Classic supports USB-native and network-capable devices. Classic does not support MAC Serial, SCSI or FireWire connected devices. Therefore, the Expression 636, 800 and 836XL that all require a SCSI connection, are not supported in Classic.

Twain Driver Installation:

1. **Start your computer in 9.2.1.**
2. **Install the Twain driver.**
3. **Connect and power on the scanner.**
4. **Restart your computer in OS 10.1**
5. **Start Classic**
6. **Launch your scanning application**

EPSON PRODUCT SUPPORT BULLETIN

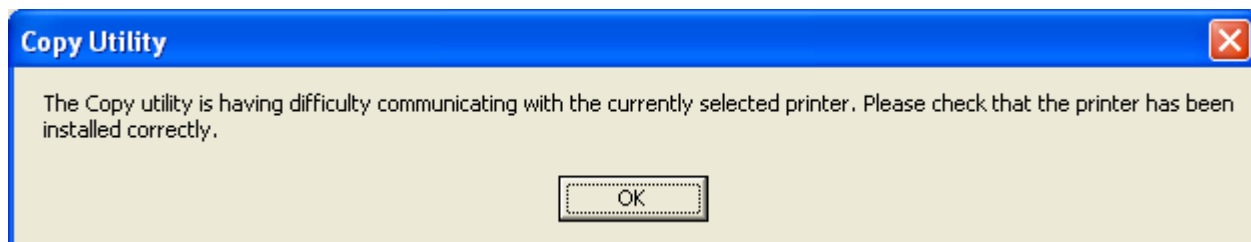
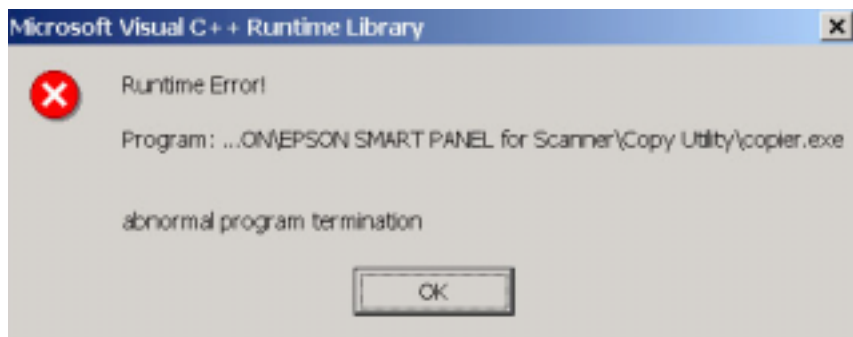
Date:	2/16/2002	Originator:	JD
PSB #:	PSB.2002.02.003	Authorization:	Kps
Reference:	N/A	Total Pages:	3
Product(s):	Perfection 640U, 1240, 1640, 1250, 1650 & 2450 series scanners		
Subject:	Copy Utility Workaround for Non-Epson Printers		

This bulletin was created to provide information on using Smart Panel's Copy Utility with non-Epson printers in Windows. The following sections describe a workaround that can be used when Copy Utility has problems working with non-Epson printers.

Description of Issue:

Epson Smart Panel includes a utility called Copy that is used for scanning and printing documents. Although Copy works with non-Epson printers it does not support all models. Epson periodically releases updates to support the newer models. However, since new printers are continually being released to market, the current Copy update may not work with the latest models.

When Copy Utility launches it first initializes the scanner and then the printer. If it does not recognize the printer, the program will return an error. The error message varies depending on the operating system and version of Copy. You will most likely encounter one of the error dialogs illustrated below. When you click OK to close the dialog, the program takes you back to the Smart Panel main user interface.

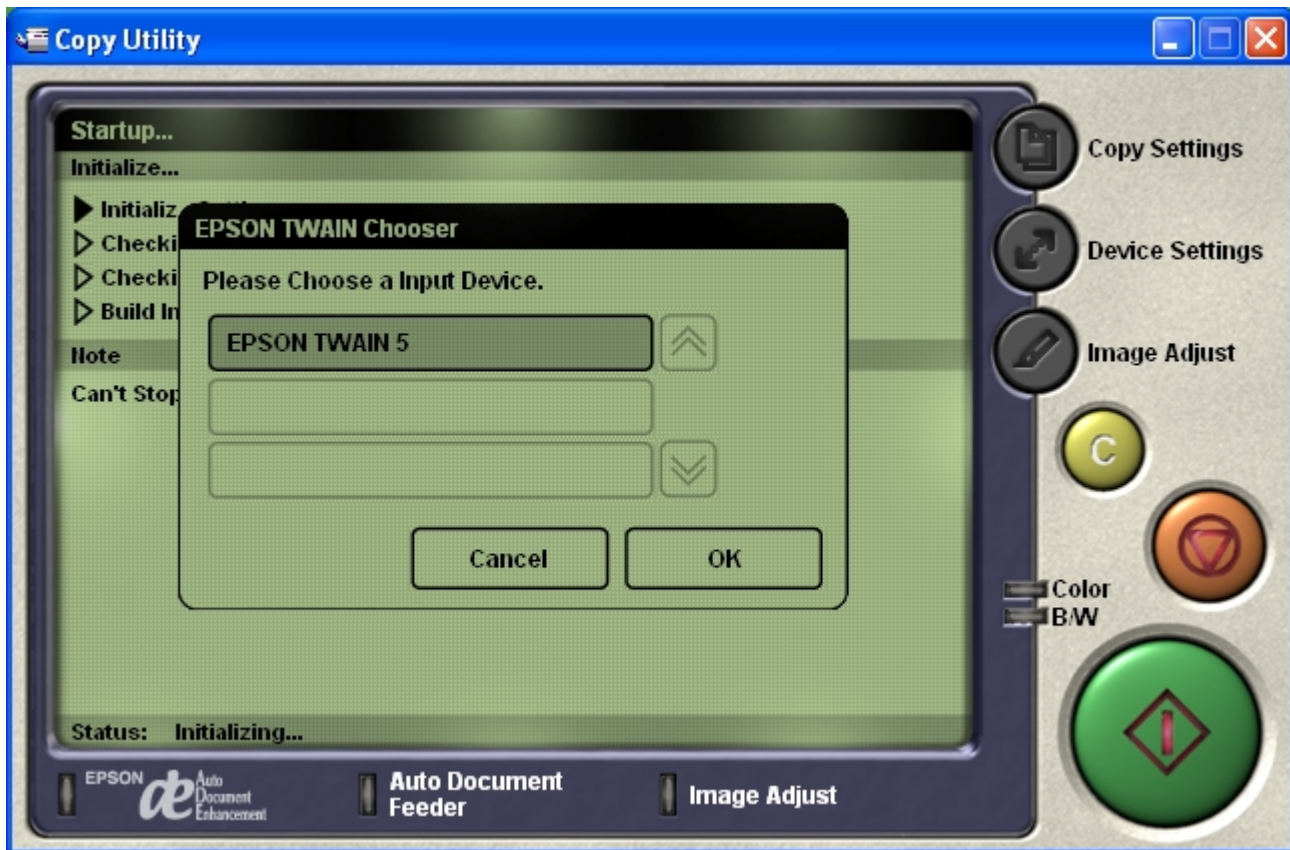


Workaround:

As a temporary solution, select another Windows default printer (i.e. one that's compatible with Copy) and then launch Copy. In Copy, change the printer back to the one that you want to use. Click the green and Copy button to scan and print.

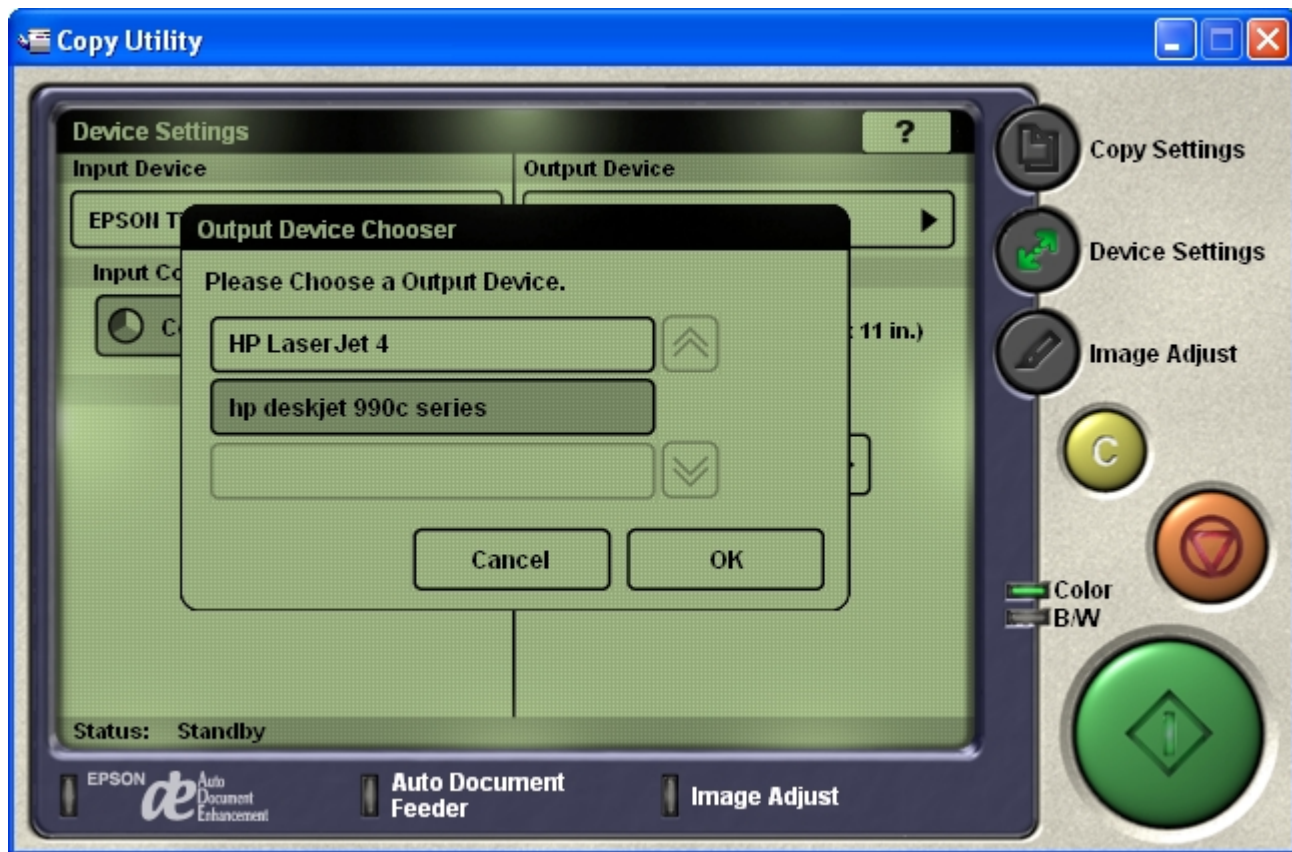
Follow these steps to configure Copy for the workaround.

- 1) First, verify that you have installed the latest version of Copy (currently 2.00A). Launch Copy and look for a green screen. This is version 2.00A and it should look like this:



If you don't see this on your screen then visit our web site at www.epson.com and download the Copy update.

- 2) Once you have installed the update, test your printer in Copy. If you get an error then go to the next step.
- 3) Click the Start button and then click Settings. Select Printers. You can also use Control Panel to select Printers (Printers and Faxes for Windows XP). In Printers, use the Add Printer Wizard to add a printer. For Windows 98 and up, you can try the HP LaserJet 4. For Windows 2000 and XP, the Stylus Photo 750 ESC/P2 works fine. For Windows 95, you'll need to use an older model such as the HP LaserJet 3 series. Keep in mind that other models can be used. If one model doesn't work then use another one.
- 4) Follow the on-screen instructions to install the printer. Once completed verify that it is the default printer.
- 5) Launch Copy. If the new default printer is compatible, the program will open normally.
- 6) Click the Device Settings button. This will bring up the Device Settings user interface. In the Output Device field (the default printer will be listed here), click on the arrow. This will bring up the Output Device Chooser window. The screen should look like this.



- 7) Change the printer name to the one you want to use and then click OK. Click on the Green button to start scanning.

EPSON PRODUCT SUPPORT BULLETIN

Date: 10/15/01

PSB No.: PSB.2001.09.006A

Reference: N/A

Originator: TC

Authorization: *JS*

Affected Product(s): EPSON Perfection 640U/1240U/1640SU & 1250/1650/2450 Series Scanners

Subject: Updated Photo Print Utility Version 1.31E for EPSON Smart Panel v.1.0xA & 2.00A for Windows

This bulletin provides information on the latest release of the Epson Smart Panel - Photo Print Utility program, ver. 1.31E. This version of the Photo Print Utility works with the following scanner products and it provides improved compatibility and functionality with Windows Operating Systems and most 3rd party printers*.

Perfection 640

Perfection 1240U Photo

Perfection 1640SU Photo

Perfection 1240U

Perfection 1640SU

Perfection 1640SU Office

Perfection 1250/1250 Photo

Perfection 1650/1650 Photo

Perfection 2450 Photo

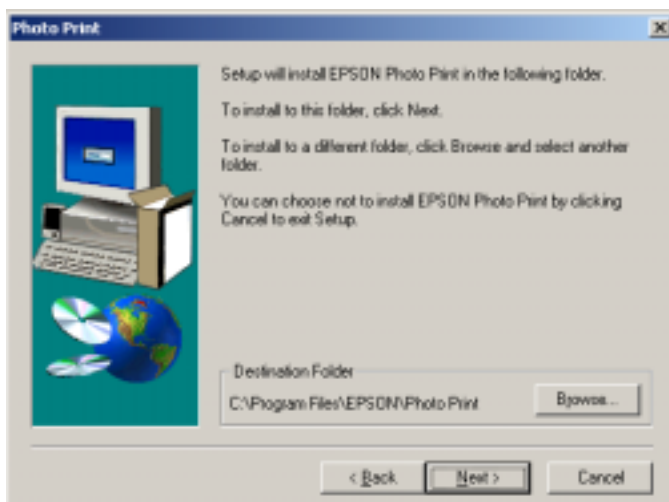
Note: Epson and other printer vendors continually release new models into the market. If your printer does not work with the updated Photo Print Utility, keep checking the Epson web site for the next revision. The Photo Print Utility is updated on a regular basis.

The new Photo Print Utility can only be downloaded from Epson's web site. Enter the URL listed below on your browser to access this web page. From the Support page, select your product. On the Downloads page double-click on the Photo Print Utility program and follow the on-screen instructions to complete the download. <http://support.epson.com/filelibrary.html>

Installation Instructions:

Use these steps to install the updated Photo Print Utility.

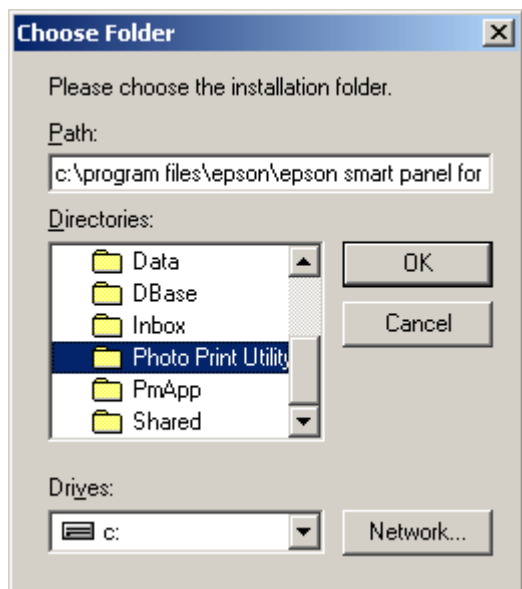
1. Close Smart Panel if you have it running.
2. From the *Start* button click **Run** and then **Browse**.
3. Search for the folder that contains the downloaded Photo Print Utility file (By default this folder is called EPSON, unless you specified a different download folder location).
4. Double-click this file to extract the Setup files.
5. Double-click SETUP.EXE. The installation will start and the Welcome screen will launch. Click *Next*.
6. Next you will see the following screen, click *Browse*.



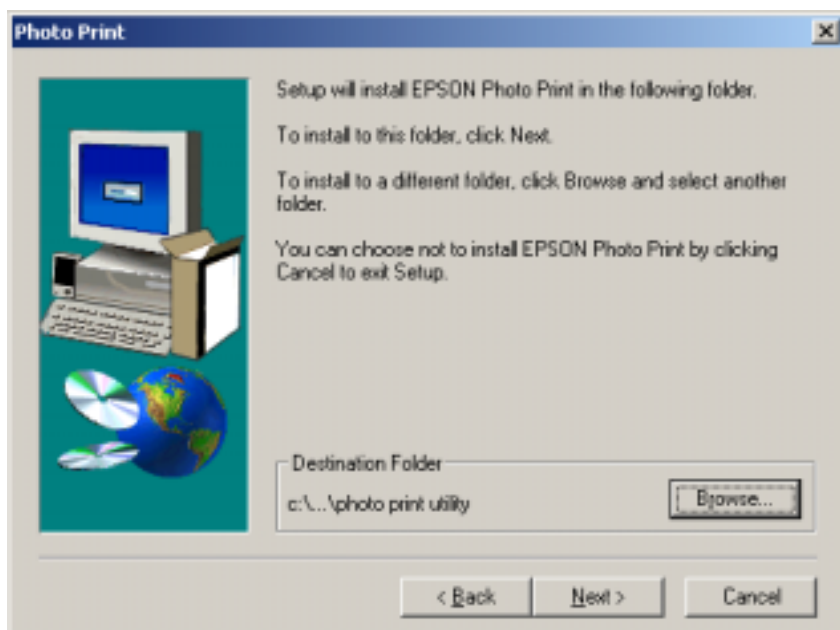
Note: You must install the update files in the same directory as the original version of Photo Print in order for the update to work correctly. If your installation of EPSON Smart Panel was performed using the default directory you need to install the files to the following location on your Hard Drive **C:\Program Files\Epson\EPSON Smart Panel for Scanners\Photo Print Utility**. If you did

not install the program using the default location you will need to install the Update files to the directory in which you installed EPSON Smart panel's Photo Print Utility.

7. Browse to the following location: "*C:\program files\epson\epson smart panel for scanners\photo print utility,*" and click OK



8. If you are pointing to the correct folder, you will see the following screen, click *Next*. If you do not see the screen below, go back to step 6.




Note: the full path to the destination folder may not be showing.

9. You will see a **Setup Complete** window, click *Finish* to complete the install.
10. To verify you have properly installed the update open Epson Smart Panel and click on the Photo Print Button. You will see a progress window that says "Setting up printer." Before you print, have your media type, print size, and Printer Driver set to the correct settings. Put a photo on the document glass and Click the "Print" button. The "Select TWAIN source" window will pop up, select "EPSON TWAIN 5" and click OK. Your photo will be scanned and printed.

Note: You can launch EPSON Photo Print as a standalone application, without needing to launch Epson Smart Panel. The Photo Print Utility update program will automatically put an Entry in the Start menu. To find this entry click on; Start>Programs>EPSON Scanner>EPSON Photo Print. The update program will also put an "EPSON Photo Print" shortcut icon on your Desktop, you can launch the Photo Print Utility from the shortcut. If you do not want this icon on the desktop, simply drag it to the Recycle Bin or highlight the shortcut icon and hit the delete key on your keyboard.

EPSON PRODUCT SUPPORT BULLETIN

Date:	03/27/2002	Originator:	JD/TC
PSB #:	PSB.2001.09.004R1	Authorization:	
Reference:	TE01-102 Rev.A	Total Pages:	4
Product(s):	Perfection 640U, 1240U, 1250, 1640SU, 1650, 2450 Series Scanners		
Subject:	Updated Smart Panel Copy Utility Program for Windows - Revised		

This bulletin provides information about the latest release of the Smart Panel Copy Utility program, ver. 2.00A. The version 2.0A Copy Utility is compatible with the following scanner products and supports most Epson printers and some additional 3rd-party printers *.

Perfection 640	Perfection 1240U
Perfection 1240U Photo	Perfection 1640SU
Perfection 1640SU Photo	Perfection 1640SU Office
Perfection 1250	Perfection 1250 Photo
Perfection 1650	Perfection 1650 Photo
Perfection 2450 Photo	

This updated utility also features a new user interface and a Device Settings menu for manually selecting TWAIN and printer drivers. The Copy Utility program can be installed on Windows 95, 98, NT4 (Service Pack 4 or later), 2000 and Me. Copy Utility v.2.00A can be used with Smart Panel 1.01A, 1.02A, 1.03A and 2.00A.

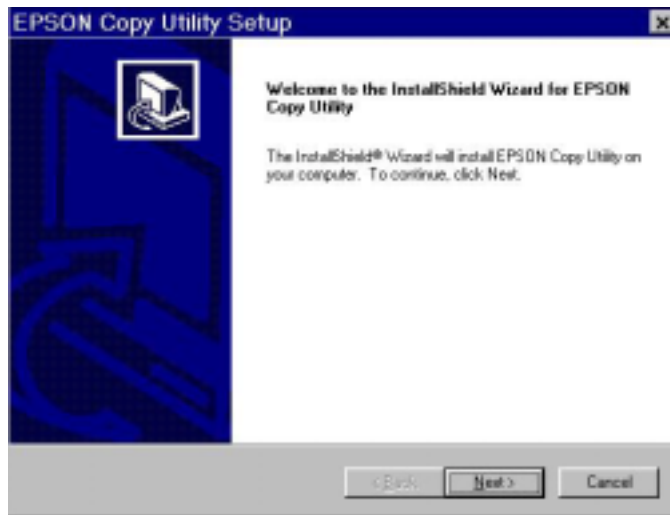
**Note: Epson and other printer vendors continually release new models into the market. If your printer does not work with the new Copy utility, keep checking the Epson web site for the next revision. The Copy utility is updated on a regular basis.*

The new Copy Utility can be downloaded from Epson's web site. Enter the URL listed below on your browser to access this web page. From the Support page, select your product. On the Downloads page double-click on the Copy Utility program and follow the on-screen instructions to complete the download. <http://support.epson.com/filelibrary.html>

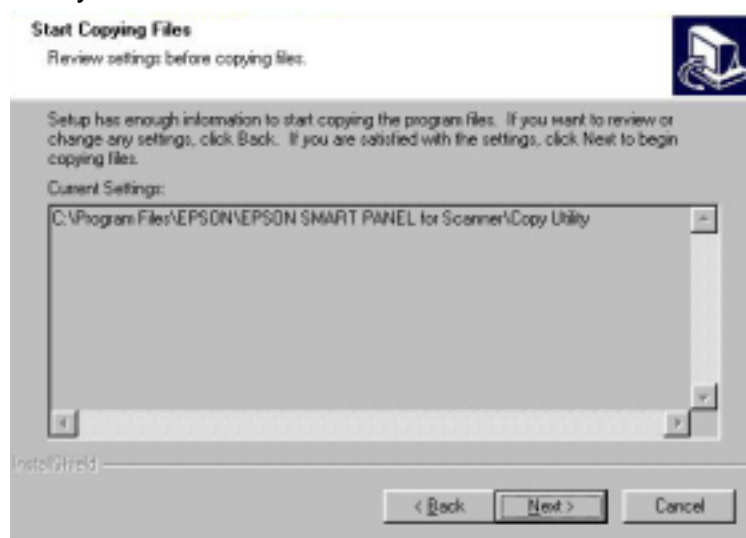
Installation Instructions:

Use these steps to install Copy Utility.

1. Close Smart Panel if it is running.
2. From the *Start* button click **Run** and then **Browse**.
3. Search for the folder that contains the downloaded Copy Utility file (By default this folder is called EPSON, unless you have manually specified the download folder location).
4. Double-click this file to extract the Setup files.
5. Double-click SETUP.EXE. The installation will start and the following screen will launch.



6. Click *Next*. The Confirm File Deletion dialog box appears. This is required before the new version of the Copy Utility is installed.
7. Click OK to start uninstalling the files. You'll see a Setup Status progress screen while the files are being removed.
8. When completed, the Maintenance Complete screen appears next. Click Finish.
9. If you have Smart Panel 1.01A or 1.02A installed on your computer system then you will need to rerun the SETUP.EXE to complete the installation and copy the updated Copy Utility files to your hard drive. Follow steps 1 through 5 to complete this process, and then go to step 10 to continue with the installation.
10. If you have Smart Panel 1.03A or 2.00A then the next screen will pop up automatically.

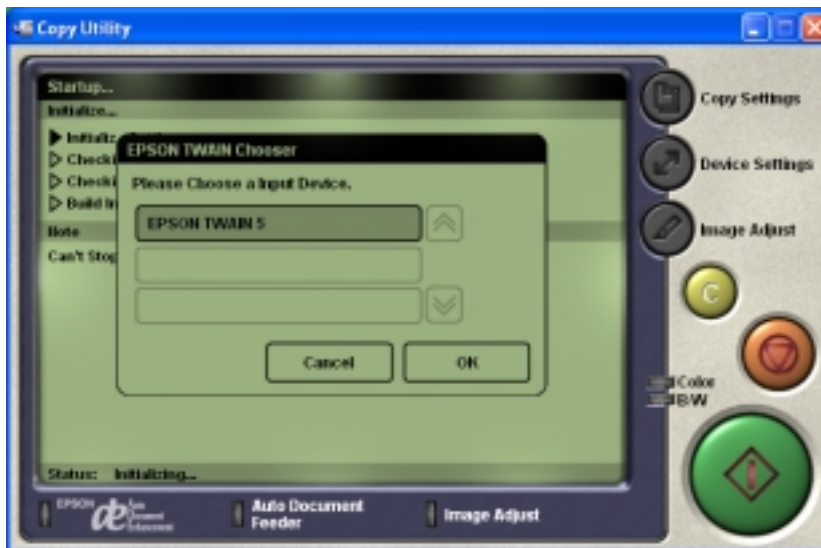


11. Click *Next*. You will see a Setup Status progress screen while the files are being copied to your hard drive.
12. When all files have been copied, the InstallShield Wizard Complete screen appears. Click *Finish*.
13. Launch Smart Panel and open Copy Utility. If you see the following Startup screen, then you have successfully installed the update.

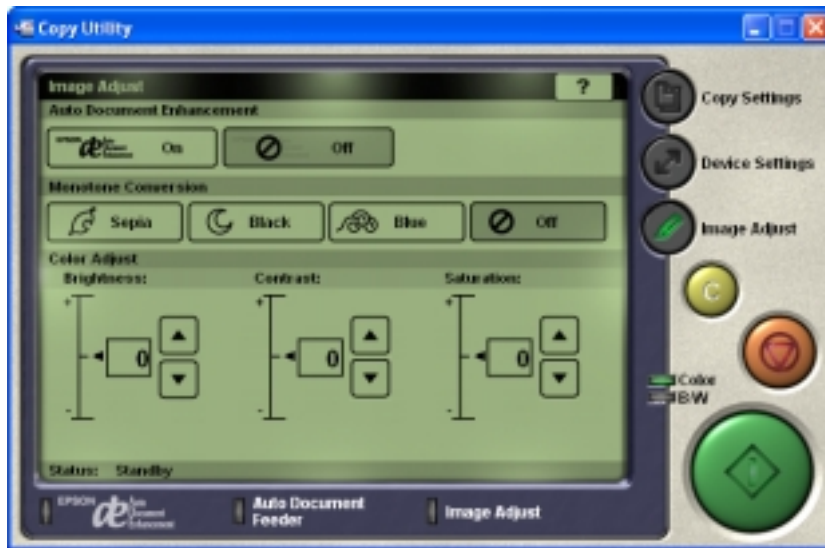


14. The last thing you should do before copying is to turn on the Auto Document Enhancement.

Note: After installing the Copy Utility 2.00A patch you may find that the Copy Utility produces copies with a Light gray/blue/pink background. This is because in the Copy Utility 2.00A the Automatic Document Enhancement feature is off by default. To turn it on, click on the Copy applet to open the Copy Utility. Select Epson TWAIN 5 at the following window and click “OK”.

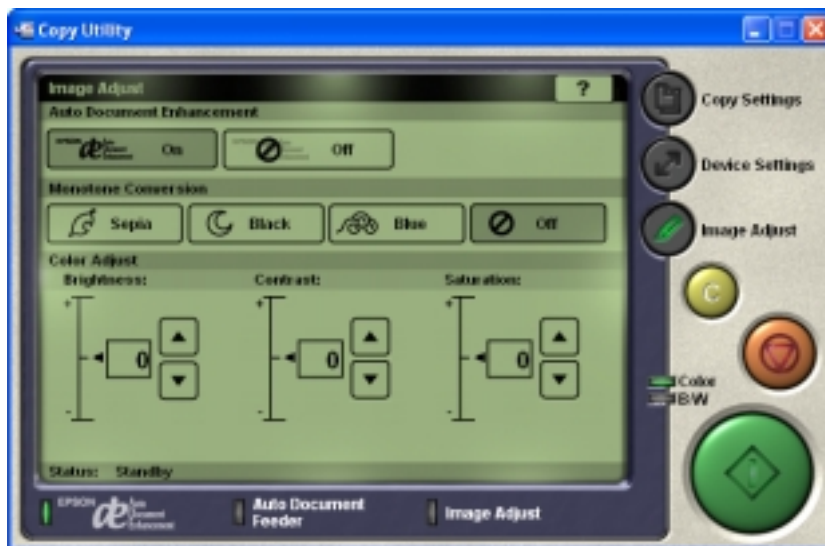


Click on the “Image Adjust” button - Auto Document Enhancement is off by default; notice “Off” is selected and dark gray.



Click on the Auto Document Enhancement button to turn this feature on, notice “On” is selected now and dark gray.

This will resolve the light gray/blue/pink background issue in Copy Utility 2.00A.



Now click on the large green Copy Button, your image will be scanned and printed. The copy of your document should look very close to the original with no background colors added.

Note: The Copy Utility was designed to scan and print a copy of a Letter size (8.5” X 11”) document. If Your document is not a full Letter size piece of paper, then the portion of the scanner’s document mat that is showing will be included as part of your copy. Some bright white papers can cause a noticeable contrast between the document and the document mat. As a result the Copy Utility may recognize the exposed document mat as a having a light blue color. In this case you may still see a light blue background on your printout where the document mat was showing.

EPSON PRODUCT SUPPORT BULLETIN

Date: 8/8/01

PSB No.: PSB.2001.08.005

Reference: N/A

Originator: TC

Authorization: *JA*

Affected Product(s): Perfection 1240U/PHOTO, and Perfection 1640SU/PHOTO/OFFICE

Subject: Updated EPSON TWAIN Driver Version 5.02A for Windows – Scanning Multiple Pages in Adobe Acrobat

This bulletin provides information on a problem concerning multiple-page scanning in Adobe Acrobat 4.0x and 5.0 when using the Perfection 1240 or 1640 series scanners. The following sections provide a detailed problem description and recommended solutions.

Problem Description:

When using TWAIN 5.00A on any Windows operating system to scan multiple pages in Adobe Acrobat 4.0x or 5.0, the application will terminate unexpectedly, and all scanned images are lost. The problem occurs in either **Full Auto Mode**, **Manual Mode** and **when scanning with the ADF unit**. When the problem is encountered, the application will terminate and one or more of the following error messages will be displayed depending on the Windows operating system.

- “Acrobat caused an invalid page fault in module user32.dll.”
- “Acrobat caused an invalid page fault in module TWAIN_32.dll.”
- “Acrobat has caused an error in KERNEL32.dll. Acrobat will now close.”

Solution:

1. To correct this issue for the Perfection 1240 and 1640 series of scanners download the updated TWAIN 5.02A from Epson’s web site using the following URL: <http://support.epson.com/filelibrary.html>.
2. For the Perfection 1640SU series, you can also obtain a copy of the updated driver on CD through literature fulfillment by contacting Epson’s Support line at **(562) 276-4382**. The product code is **CPD-10857R1**. Installation instructions for this driver are as follows:

Note: During the scanner and TWAIN Driver installation you may be asked to insert your Windows operating system CD-ROM. Have your Windows CD handy, in case you need it.

Installation Instructions for Windows 98/2000/Me

You must remove the original TWAIN driver (5.00A) **first** before you can install the updated driver. Refer to the following instructions on

Removing the scanner, the original driver and installing the new driver.

Scanner and Driver removal:

1. Have the scanner turned ON and plugged into one of the computer’s USB or SCSI ports.
2. Click the Start button, point to Settings, and click Control Panel. Then double-click the Scanners and Cameras icon.
3. Select the appropriate EPSON Perfection scanner from the device list and click Remove.
4. Insert the original EPSON Scanner Software CD into you CD-ROM drive. Explore to the directory “X:\TWAIN_5\Uninst.” (**Note:** X represents the drive letter for your CD-ROM drive.)
5. Double-click on Esuninst.exe application file (approximately 36KB in size) to launch the uninstaller. When finished, disconnect your scanner, and then restart your computer. (**NOTE:** To uninstall the driver in Windows 2000, you must have sufficient access rights. Log on as Administrator if you cannot remove the driver.)

New Driver installation Using the Downloaded Driver from the Web

1. Make sure your scanner is turned on and connected to the computer; then turn on your computer.
2. The New Hardware Wizard screen will then appear. For Windows 98 select Search for the best driver for your device. In Windows 2000 select Search for a suitable driver for your device. For Windows Me select Specify the location of the driver. Click **Next**.
3. Check the box for “Specify a location” and uncheck all other search path options. Click Browse.
4. Find the appropriate folder where the file was downloaded to then select the directory for your operating system. Click OK to continue.
1. You will then return to the New Hardware Wizard, click Next. Windows finds the driver for your scanner. Click Next to install your TWAIN driver.
2. In Windows 2000, you will see the Microsoft Digital Signature screen, Click Yes to finish installing your TWAIN driver.
3. After the scanner software installation is complete, the Screen Calibration utility automatically starts. You must calibrate your screen and scanner to reproduce images closely matching the originals. Move the slider until the horizontal gray stripes appear similar. View the screen from a short distance. The gray stripes will not perfectly blend; however, try to make the two tones match as closely as possible. For best print results from an EPSON ink jet printer, select a setting of 1.8. Click OK to register the calibration setting. Click Finish to exit the New Hardware Wizard. (*NOTE: You don’t need to change the screen calibration again so long as you continue to use the same monitor. If you need to recalibrate your screen at a later time, see your Scanner User’s Guide for instructions*).

New Driver installation Using the Updated CD

5. Make sure your scanner is turned on and connected to the computer; then turn on your computer.
6. The New Hardware Wizard screen will then appear. For Windows 98 select Search for the best driver for your device. In Windows 2000 select Search for a suitable driver for your device. For Windows Me select Specify the location of the driver. Click **Next**.
4. Browse to the directory for your operating system—i.e. “X:\TWAIN_5\Win98” (*NOTE: X represents the drive letter for your CD-ROM drive*).
5. You will then return to the New Hardware Wizard, click Next. Windows finds the driver for your scanner. Click Next to install your TWAIN driver.
6. In Windows 2000, you will see the Microsoft Digital Signature screen, Click Yes to finish installing your TWAIN driver.
7. After the scanner software installation is complete, the Screen Calibration utility automatically starts. You must calibrate your screen and scanner to reproduce images closely matching the originals. Move the slider until the horizontal gray stripes appear similar. View the screen from a short distance. The gray stripes will not perfectly blend; however, try to make the two tones match as closely as possible. For best print results from an EPSON ink jet printer, select a setting of 1.8. Click OK to register the calibration setting. Click Finish to exit the New Hardware Wizard. (*NOTE: You don’t need to change the screen calibration again so long as you continue to use the same monitor. If you need to recalibrate your screen at a later time, see your Scanner User’s Guide for instructions*).

Installation Instructions for Windows 95/NT 4.0 (SP4) - SCSI

These instructions are for updating the current TWAIN driver for the Perfection 1640SU connected to the SCSI port only. They are the same for both for Windows 95 and Windows NT 4.0 Operating Systems. Users do not need to remove any files prior to upgrading to TWAIN 5.02A.

New Driver installation Using the Updated CD

1. Insert the disk into your CD-ROM drive.
2. Double click on My computer, double click on your CD-ROM drive icon and browse to the following directory on the CD (*NOTE: X represents the drive letter for your CD-ROM drive*.)

- “X:\TWAIN_5\TWAIN\DISK1”
3. Double click on “Setup.exe” and follow the on-screen instructions.

New Driver installation Using the Downloaded Driver from the Web

4. Double click on the “My Computer” icon, then on the “C: drive” icon.
5. Find the appropriate folder where the file was downloaded to then run the “Setup.exe” file to start the installation.
6. Follow the instructions on the screen to complete the installation.
7. After the scanner software installation is complete, the Screen Calibration utility automatically starts. Calibrate your screen as described in the previous sections. Click OK to exit the TWAIN 5 Installer.
8. Restart your computer.

Notes:

1. ***Windows Me users only:*** WIA driver option is available in Windows Me. The issue described above can also be duplicated with the WIA driver when scanning multiple pages in Adobe Acrobat 4.0x/5.0. WIA does not support ADF scanning.
2. ***Macintosh Users:*** This issue does not occur on the Macintosh version of TWAIN 5.00A.

EPSON PRODUCT SUPPORT BULLETIN

Date: 9/07/2001

PSB No.: 2001.08.002

Reference: TE01-045 Rev. B

Originator: TC & JD

Authorization: 

Affected Product(s): EPSON Imaging Products (Scanners, Digital Cameras, and Stylus Scan Devices)

Subject: Compatibility Chart for Macintosh OS X Classic

This bulletin provides information on compatibility for EPSON Scanners, Digital Cameras, and Stylus Scan Series devices running in Macintosh OS X Classic mode. Mac OS X provides the Classic environment mode for Mac OS 9 compatible applications and device drivers. Classic mode will require Mac OS 9.1 system software. To setup Classic mode follow the steps below:

1. First install or upgrade your Macintosh system to OS 9.1 before installing OS X (for details refer to Apple's OS X documentation).
2. To start in Classic mode, click the **Classic** icon in System Preferences. To find *System Preferences* go to the **Apple Menu** or click on the icon in the **Dock** bar on the desktop. Classic mode can also be set up to start automatically during the log in process. (Refer to your Apple documentation for installation and operation of Macintosh OS X Classic and 9.1).
3. To run a Classic application, just double-click on it or a document created with the application.

A) The following Epson models are supported in OS X Classic mode via USB.

Model	Driver Version	Connector Type
Perfection 610	TWAIN L 1.00E	USB
Perfection 636U	TWAIN 3.20A	USB
Perfection 640U	TWAIN L 2.01A	USB
Perfection 1200U	TWAIN 4.01A	USB
Perfection 1240U	TWAIN 5.00A	USB
Perfection 1640SU	TWAIN 5.00A	USB
Expression 1600	TWAIN Pro/Pro Network 2.00A *	USB
Expression 1640XL	TWAIN Pro/Pro Network 2.00A *	USB
Expression 1680	TWAIN Pro/Pro Network 2.00A *	USB
Stylus Scan 2000	TWAIN (v.1.10A); Printer (v.6.25E) **	USB
Stylus Scan 2500	TWAIN (v.1.10A); Printer (v.6.25E) **	USB
Photo PC 800/850Z/3000Z	EPSON Photo!3 (v.1.40E) ***	USB
Photo PC 3100Z	USB Storage Device ****	USB

Note: MAC OS X Classic mode supports USB-native and network-capable devices. Classic mode does not support MAC Serial, SCSI or FireWire connected devices.

* Expression Series Scanner Notes:

1. When installing the TWAIN driver and you are prompted to restart your computer, click Quit instead.
2. Click Stop to close the Classic environment. Close the System Preferences folder. Then restart the computer.
3. If you install PageManager v 2.40.05 for the Expression series scanners and the Start button does not work, restart the computer.

**** Stylus Scan Notes:**

1. You must install the Stylus Scan drivers in a true 9.1 environment. Do not install in OS X Classic, the installation will hang. From the Printing and Scanning Software CD, open the Epson Stylus Scan 2xxx folder and click on the icon to install the drivers. When prompted, restart the computer. Make sure the startup disk is set to OS X before restarting. Start Classic and install Smart Panel.
2. You must install Smart Panel from its own folder. From the Software CD open the Smart Panel folder. Click on the Epson Smart Panel Installer icon to install. Before you can launch Smart Panel you must install the Stylus Scan Updater. The file can be downloaded from the Epson web site.

***** Digital Camera Notes:**

1. EPSON Photo! 3 must be installed in a true Mac OS 9.1 environment. It cannot be installed in Mac OS X Classic mode. After installation, restart the computer in OS X, start Classic, then launch Photo! 3.
2. Use the EPSON *Camera Monitor Setup* dialog box in *Apple Menu Items* to assign an application before using the programmable *Push (Shutter) Button Function*.
3. You can use the *Push Button Function* in Classic mode.

******Photo PC 3100Z Notes:**

1. This camera is supported by Mac OS X native mode using the embedded Image Capture application.

B) The following models are not supported in OS X Classic when using the connector type(s) described in the chart below.

Model	Connector Type
Perfection 636	SCSI
Perfection 1200	SCSI
Expression 636	SCSI
Expression 800	SCSI
Expression 1600	SCSI/FireWire
Expression 1640XL	SCSI/FireWire
Expression 1680	SCSI/FireWire
Expression 836XL	SCSI
GT-10000 (PC platform only)	SCSI
GT-10000+ (PC platform only)	SCSI
GT-30000 (PC platform only)	SCSI/FireWire
Photo PC 500	Serial
Photo PC 600	Serial
Photo PC 650	Serial
Photo PC 700	Serial
Photo PC 750Z	Serial